

SRIRAM VARMA BHUPATHIRAJU

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Summary

Enthusiastic B.Tech Computer Science student specializing in Cloud Computing and Software Engineering with strong skills in Java, Spring Boot, and AWS. Experienced in building cloud-native applications, automation pipelines, and full-stack web platforms. Familiar with testing methodologies, DevOps practices, and modern product engineering tools. Adept at solving complex problems and driven by a passion for learning, innovation, and building impactful software solutions.

Skills

Languages: C, Java, Python, JavaScript, HTML, CSS.

Frameworks & Libraries: Spring Boot, Django, Node.js, React.js, Hibernate, Git & GitHub.

Databases: MySQL, PostgreSQL, MongoDB.

Cloud & DevOps: AWS, Azure, GCP, CI/CD, Docker, Jenkins, GitHub Actions.

Projects

Movie Recommendation System on AWS

- Cloud-based recommendation system using AWS Personalize and SageMaker for real-time suggestions.
- Achieved 90% relevance by leveraging model retraining and batch inference with Step Functions.
- Deployed with CloudFormation integrating Lambda, API Gateway, and DynamoDB.
- Added CI/CD automation for deployment and testing.
- **Technologies:** AWS Personalize, SageMaker, Lambda, Step Functions, DynamoDB, S3, GitHub Actions






Tourist Homestay & Local Guide Platform

- Full-stack **Java-Spring Boot** project that connects tourists with homestays and nearby attractions.
- Features role-based modules for Admin, Hosts, Tourists, and Local Guides with personalized recommendations.
- Improved travel experience by enabling stay bookings, local guide insights, and attraction exploration using HTML, CSS, and JavaScript.
- **Technologies Used:** Java, Spring Boot, HTML, CSS, JavaScript.

CI/CD Pipeline Project

- Built and containerized a simple web app using Docker and deployed via Jenkins pipeline.
- Automated build, test, and push stages to DockerHub with GitHub Actions.
- Pulled and deployed the Docker image on AWS EC2 instance for production simulation.
- **Technologies:** Docker, Jenkins, GitHub Actions, AWS EC2

Certifications and Achievements

- AWS Certified Solutions Architect – Associate 
- AWS Certified Cloud Practitioner 
- Salesforce Certified AI Associate 
- Multicloud Network Associate – Aviatrix 
- Oracle Certified Foundations Associate 

Experience

Data Engineer Virtual Intern, AWS Academy - Eduskills

April – June 2025

- Earned AWS Academy badges in Cloud Foundations and Data Engineering.
- Gained detailed knowledge of AWS cloud services, architecture, automation workflows, and data engineering pipelines aligned with industry product engineering practices.

Education

KL University, B.Tech in Computer Science & Engineering | **CGPA: 8.95**

2022 – 2026

Tirumala Junior College, Bhimavaram | Class XII: 77%

2020 – 2022

Bharatiya Vidya Bhavans, Bhimavaram | Class X: 75%

2013 – 2020